



MERO5

5" High-end slim in-wall speaker

► Features

- High-end 2-way in-wall speaker
- Slim grill with thin border (1 mm)
- Elegant & unobtrusive design
- Warm & true to nature sound
- Paintable front grill
- 1" + 5" aluminium membrane drivers
- 50 Watt RMS power
- Gold-Con™ connections
- Quick and simple mounting

► Applications

- Residential Hi-Fi & home cinema
- Retail stores & shopping centers
- Restaurants
- Lounges & bars
- Boutiques
- Offices

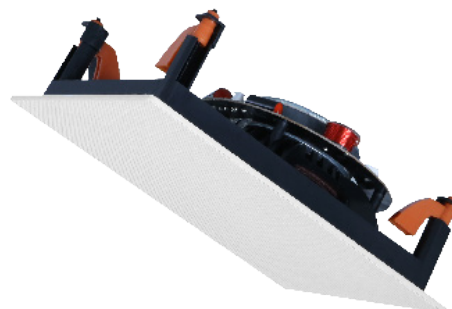
The MERO speakers will blend beautifully into any interior due to their nearly invisible design making only their extraordinary sound draw your attention. Their slim grill with very thin border of only 1 mm and limited grill depth extrudes the surface by only 3.2 mm when installed.

Their grilles are retained by neodymium magnets which enables assembly in seconds, while powerful enough to keep the grill fixed, even when subject to vibrations or if touched. Their applications range from residential Hi-Fi and home cinema installations to multi-zone systems, unobtrusive installations in lounges, bars, boutiques and offices.

The selection of high-grade materials in combination with accurate acoustics craftsmanship makes the MERO speakers superior in their class. The medium sized MERO5 consists of a 5" aluminium cone woofer and complementary 1" dome tweeter that are smoothly matched and optimized using a high-quality crossover network. This results in a true to nature sound reproduction for a warm and detailed sound with an RMS power of 50 Watt.

An acoustically optimized waveguide matches the dispersion of woofer and tweeter, while a phase plug reduces diffraction and enhances off-axis high frequency response. All these details share their part to its pure sound.

An elegant look with minimal visual impact is created by the slim grill with very thin border, while great ease and installers convenience is guaranteed using the quick-fix mechanism with Gold-CON™ connectivities. Installation can be done both vertically and horizontally, while the adjustable tweeter allows optimal orientation positioning.



► Specifications

SYSTEM SPECIFICATIONS	
Speaker type	2-way
Max power	100 Watt
RMS power	50 Watt
Impedance	8 Ohm
Sensitivity (1W/1m)	85 dB
Sound pressure (max W/1m)	102 dB
Frequency response (±3 dB)	70 Hz - 20 kHz
Frequency range (-10 dB)	55 Hz - 20 kHz
Crossover frequency	3 kHz
Crossover type	Passive built-in
Horizontal dispersion (1)	160°
Vertical dispersion (1)	140°
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	161.5 x 236.5 x 74.1 mm
Weight net	1 Kg
Connection	Gold-Con™ spring clamps
Drivers (coaxial)	HF 1" aluminium membrane
	LF 5" aluminium membrane
Construction	High quality ABS housing
Grill type	Thin edged white grill (RAL9003)
Cut-out measurement	139 x 214 mm
Built-in depth	71 mm
Mounting & handling	4 screw quick-fixing mechanism
Available colours	Black frame & white grill
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight & volume	1.5 Kg ~ 0.0061 Cbm
Accessories included	Cut-out template
	GLM05/W - White grill (RAL9003)
Optional accessories	WTR24 - 24W 100V line transformer
	GLM05/B - Black grill (RAL9005)
	GLM05/P - Paintable grill
(1) Half space (flush mounted in ceiling), average 100 Hz to 10 kHz at -6 dB	
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continuously improve our products.	

► Architects' and Engineers' Specifications

The in-wall loudspeaker shall be a 2-way type, equipped with a 5" aluminium cone low frequency driver and a 1" aluminium dome tweeter with neodymium magnet.

It shall have an RMS power handling of 50 Watt with a maximum power handling of 100 Watt and the frequency response (± 3 dB) shall range from 70 Hz to 20 kHz. The sensitivity shall be 85 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 102 dB. The nominal dispersion shall be a 160° horizontal and 140° vertical coverage pattern at -6dB (average 100 Hz - 10 kHz).

The loudspeaker shall have an impedance of 8 Ohm and shall contain a passive built-in crossover network with crossover frequency of 3000 Hz, which is constructed of high-quality components.

The speakers frame and basket shall be constructed as one entity in strong ABS with a black colour and a textured matt surface finishing. A 4-screw quick-fixing mechanism shall be provided to mount the speaker into a wall in a quick and simple way. The connectives shall be performed using Gold-Con™ spring clamp connectors.

To make the loudspeaker nearly invisible when mounted, the speaker shall have a white (RAL9003) grill with a very thin border of 1 mm which extrudes the ceiling surface by only 3.2 mm. This grill shall be constructed of steel which can be painted to make it blend in with any environment. The assembly and disassembly of the grill shall be very simple thanks to the neodymium magnets that hold it in place.

The speaker shall have a width of 161,5 mm, a height of 236,5 mm and a depth of 74,1 mm and shall not exceed 1 kg. The speaker shall fit in a mounting hole of 139 mm x 214 mm and a build-in depth of 71 mm.

► Technical drawing

